

US EPA ARCHIVE DOCUMENT



National Clean Diesel Campaign

Working Together for Cleaner Air

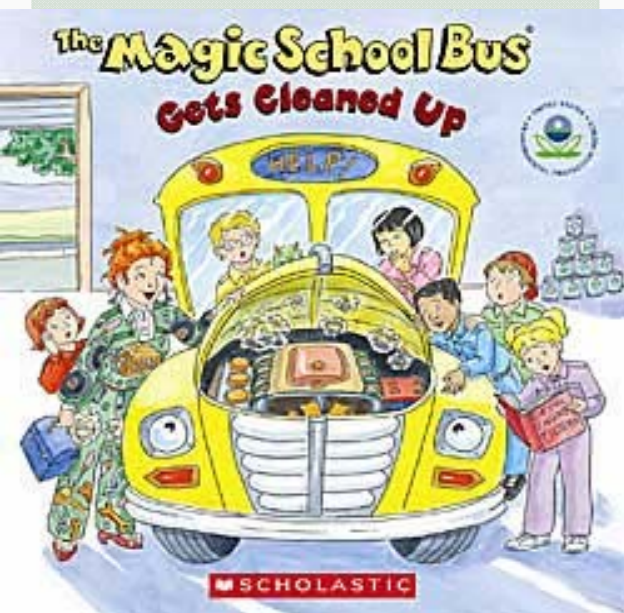
Julie Henning
Office of Transportation and Air Quality



History of the National Clean Diesel Campaign

Pre-DEIRA

- \$39.3 M awarded
- Targeted specific sectors



DEIRA FY08 – FY11

- Over \$500 million awarded
- 450+ grantees
- Broad spectrum approach



DEIRA FY12 and Beyond

- Pres. Obama reauthorized DEIRA on 1.4.11
- Up to \$100 M each year through 2016



National Clean Diesel Campaign
Working Together for Cleaner Air



National Program

Awarded ~\$290M in grants, including funds to tribal nations, dedicated to deploying verified and certified technologies

Emerging Technology Program

Awarded ~\$30M to advance cutting-edge emissions control technologies

DERA Funding Since 2008

SmartWay Finance

Awarded ~\$45M to establish innovative finance models to provide funding to fleets

State Program

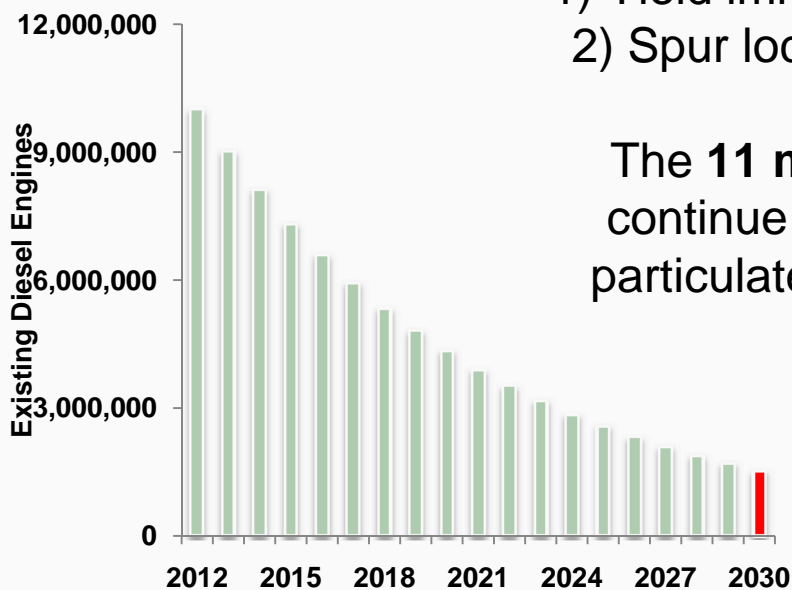
Awarded ~\$140M to all 50 states (plus DC and island territories) for diesel emission reduction sub-grants and loan programs



Continuing Need for Cleaner Diesel Fleets

Clean diesel projects:

- 1) Yield immediate public health and air quality benefits
- 2) Spur local economic development and job creation



The **11 million diesel engines** already in use will continue to emit large amounts of nitrogen oxides, particulate matter and air toxics, which contribute to serious public health problems

1.5 million engines won't meet our most stringent standards



The Success of the Diesel Emissions Reduction Act



Delivers Impact

- DERA grants provide immediate health and environmental benefits. Over their lifetime, projects will provide an estimated \$8.2 billion in health benefits, and reduced an estimated 203,000 tons of NO_x and 8,300 tons of PM.

Generates Economic Activity

- DERA grants are cost-effective. Each federal dollar invested in clean diesel projects generates \$10 to \$20 in benefits, depending on the vehicle and technology.

Answers Popular Demand

- There is a tremendous amount of public interest in DERA funded projects. EPA has received up to seven times more applications than it can fund.

Meets Local Needs

- DERA grants are solving local problems with locally conceived solutions—all DERA grant recipients tailor their projects to their specific community's needs.

Serves Environmental Justice Communities

- Many DERA projects are making a remarkable health and environmental impact in socially vulnerable areas.



Immediate Health Benefits

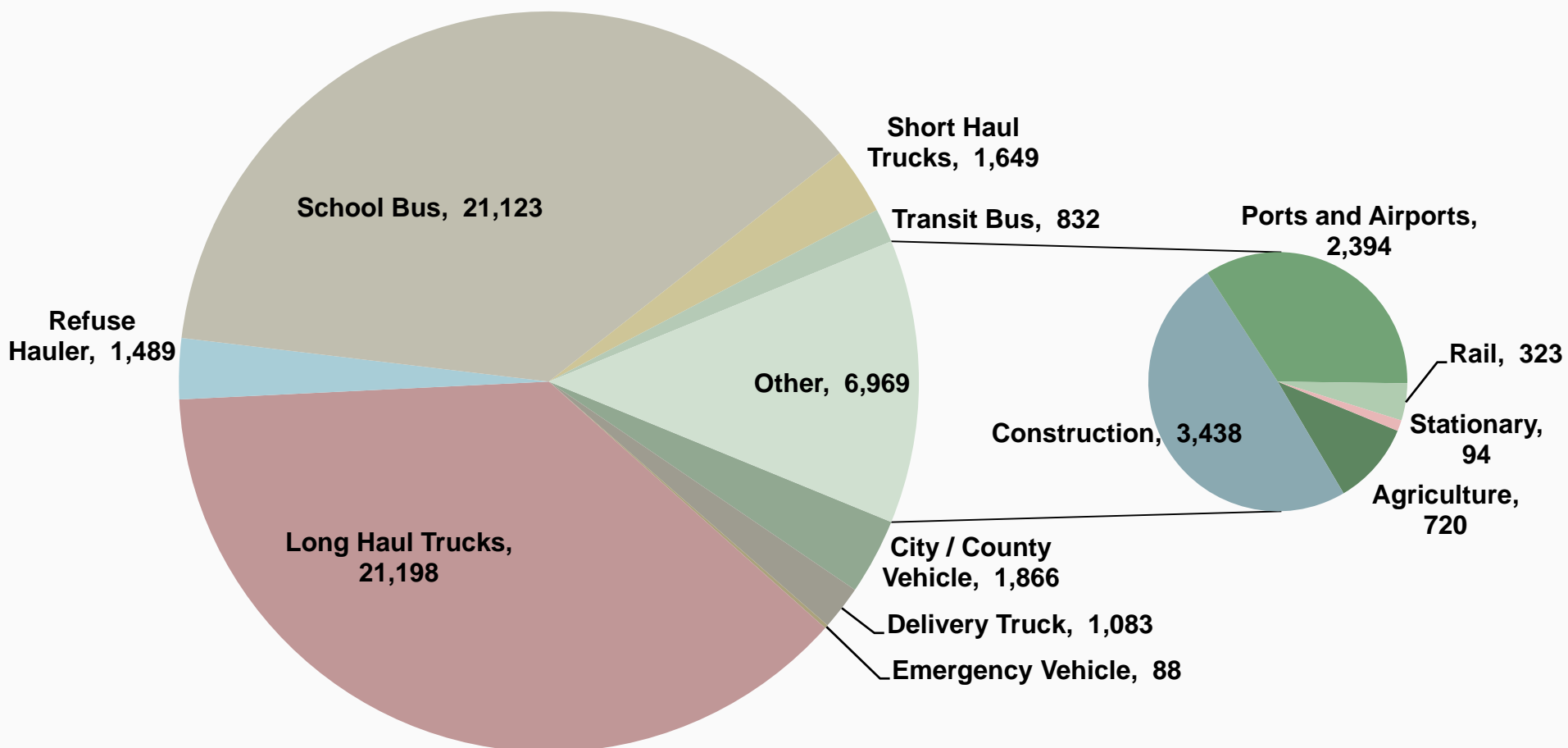
- Over 156 million Americans live in areas that exceed federal air quality standards for diesel pollutants.
- Serious health implications (children and the elderly are particularly susceptible)
- DERA program is one of the most effective strategies to reduce diesel emissions over the last five years.





* Data as of
2.29.12

A Successful Four Years...



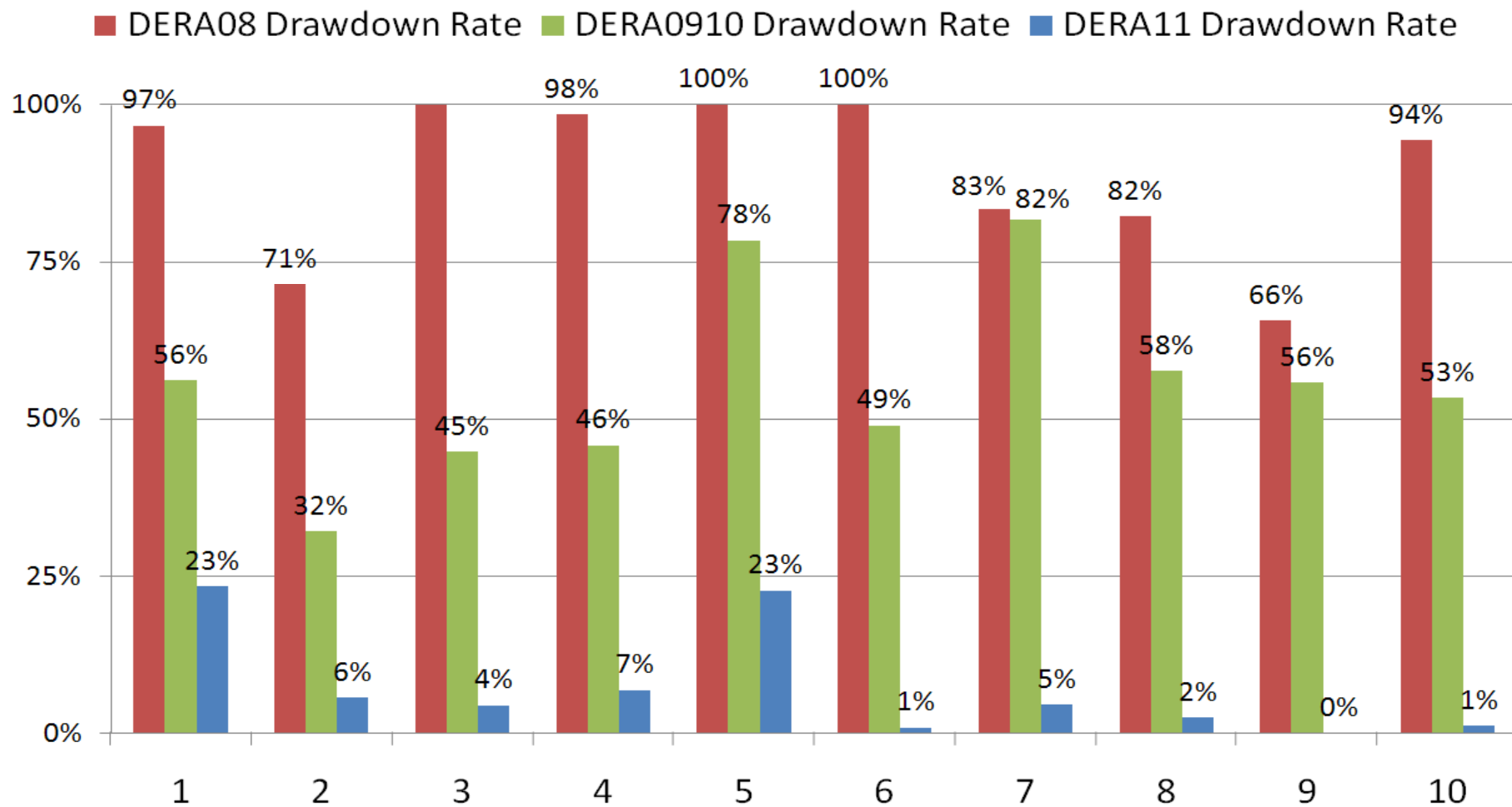


DERA Grant Progress

DERA National Program

Drawdown Rates by FY and Region

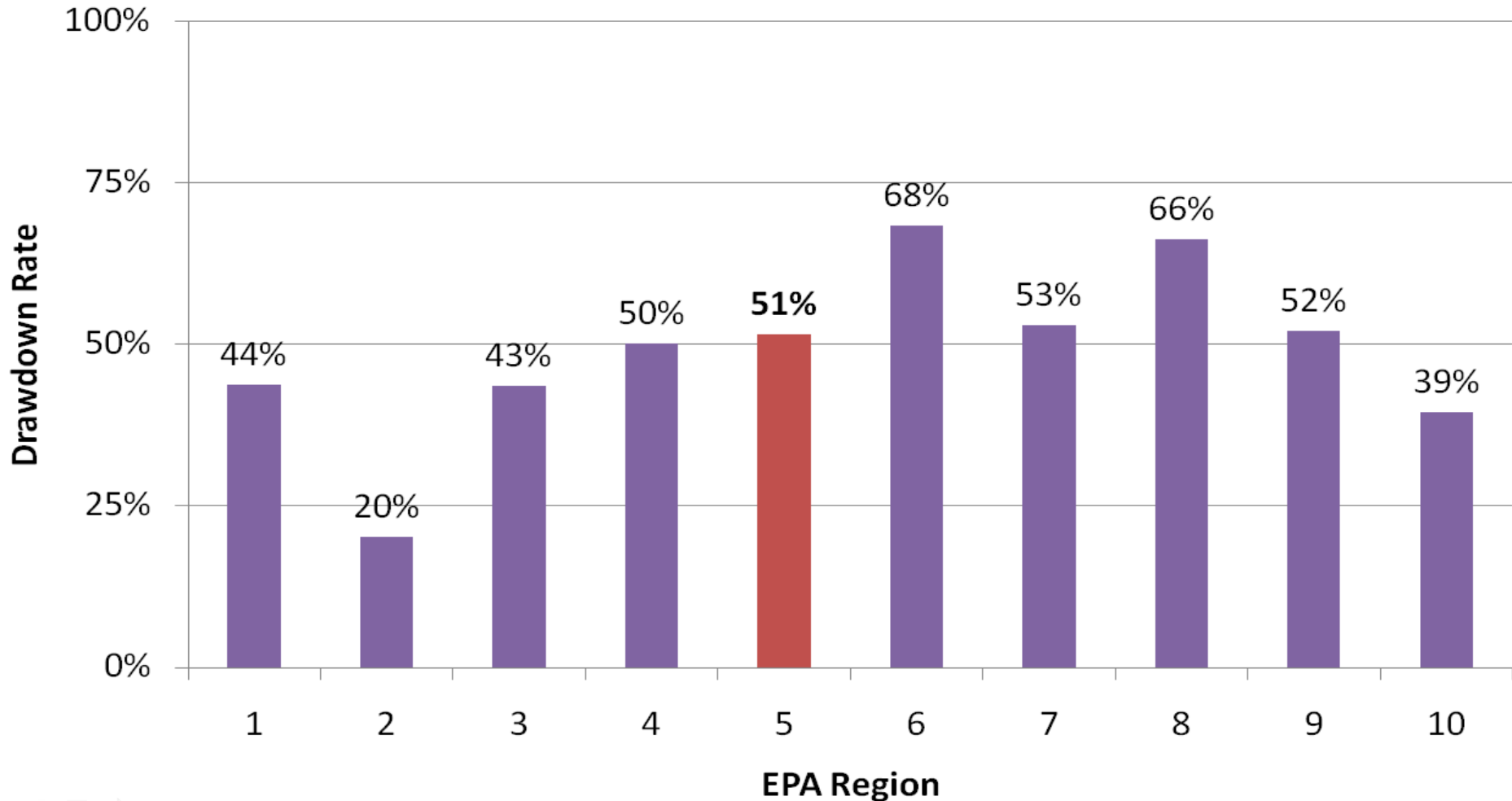
This chart displays the rates which individual regions have drawn down funds from the DERA National Program grants for DERA08, DERA0910, and DERA11. Data accurate as of 4.5.12.



DERA State Program

Regional Drawdown Rates

This chart displays each region's cumulative drawdown rates for DERA State Program grants. It includes allotments for FY08, FY0910, and FY11. The data is accurate as of 3.27.12

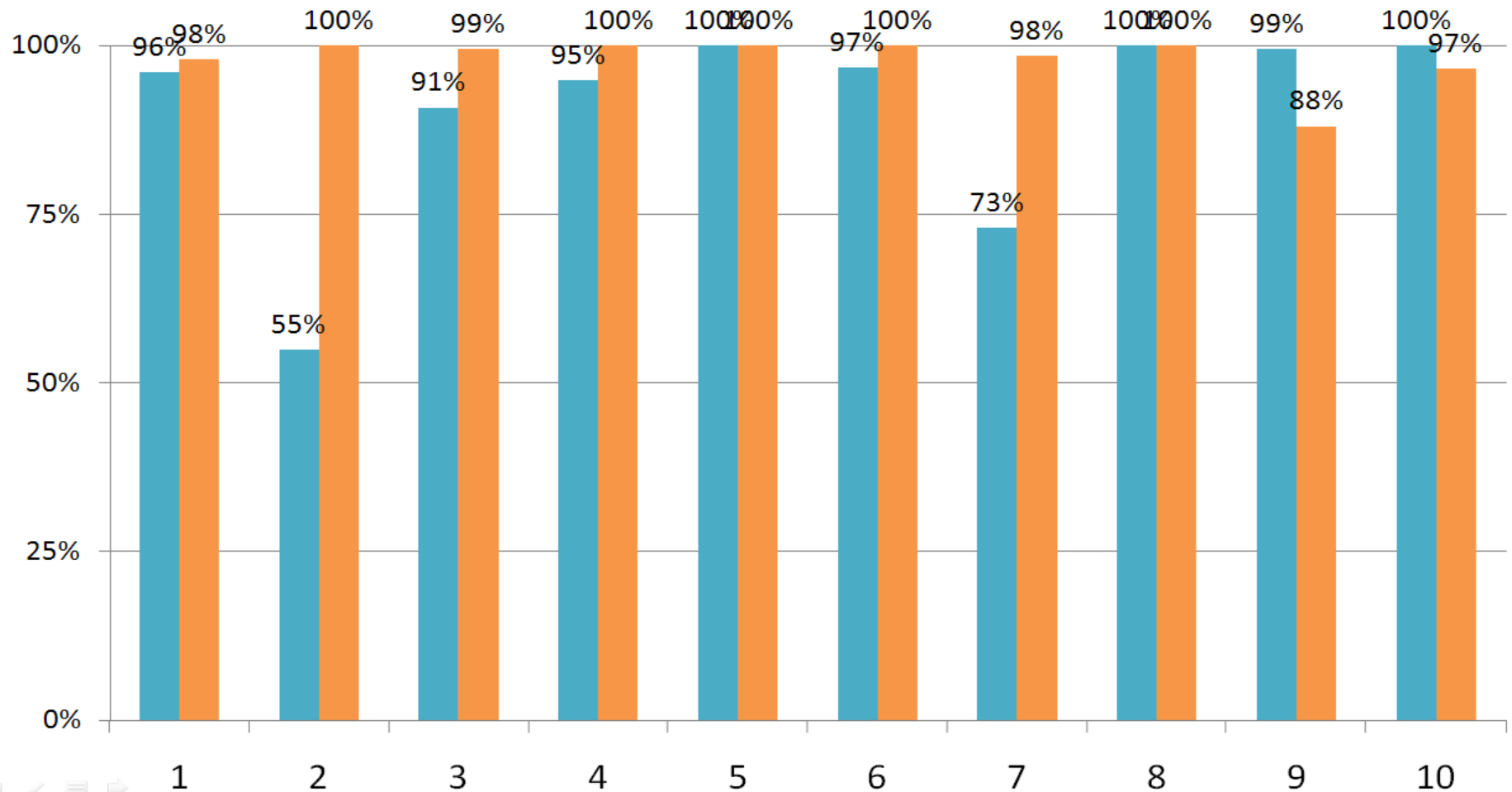


ARRA National and State Programs

Drawdown Rates by Region

This chart displays the rates which individual regions have drawn down funds from the ARRA National and State Programs grants. Data accurate as of 4.5.12.

ARRA National Drawdown Rate ARRA State Drawdown Rate





MyEnvironment


- EPA's new interactive mapping tool
- Available at EPA homepage or www.epa.gov/myenvironment
- DERA grants are available in the "MyAir" section





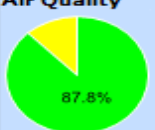
Air Quality Index

The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air.



BERRIEN County, Michigan

Air Quality



87.8%

Pollutants	Value
Ozone	96.0
PM2.5	3.0
PM10	0.0
SO2	0.0
NO2	0.0
CO	0.0

[More info.](#)

April Average Data (2006 - 2008)

Current: N/A
Forecast: N/A


April Historical Data (2000-2002)

Current: N/A
Forecast: N/A

[More >>](#)

Air Facilities


[Enlarge Map](#)



Update contents on page

Aerial Hybrid

Map Contents



Diesel Reduction Project:
Northwest Indiana Forum
Foundation Inc.

150 miles

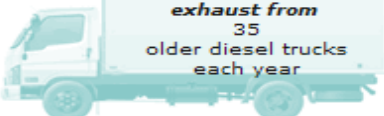
bing EnviroMapper® © 2012 Microsoft Corporation © 2010 EPA

Cleaning Your Air: Reducing Diesel Pollution

Project: City of Chicago Diesel Fleet Emissions Reduction Project

Retrofit vehicles with 163 diesel fired heaters, 35 diesel oxidation catalysts (DOCs), and replace two old vehicles with two hybrid electric aerial trucks

Clean Diesel Strategy Technology: [Emissions Control Devices](#), [Idling Control Strategies](#)

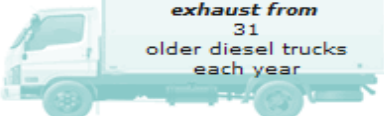


That's like eliminating exhaust from
35
older diesel trucks
each year

Project: Illinois Green Fleets

Retrofit 21 fleets (approximately 675 diesel vehicles and/or engines) with auxiliary power units, diesel oxidation catalysts, diesel multi-stage filters, direct-fired heaters and engine repowers (replace with cleaner engines)

Clean Diesel Strategy Technology: [Emissions Control Devices](#), [Engine Replacement / Repower](#), [Idling Control Strategies](#)



That's like eliminating exhaust from
31
older diesel trucks
each year



DERA FY12 Request for Proposals



Basic Information

- Expect RFP to be posted in April
- ~\$18M available nationwide
- Focuses funding on projects that will produce the most diesel emission reductions possible in areas with significant air quality issues
- 45 days to submit proposals



What types of vehicles does DERA fund?

- Buses
- Medium-duty or heavy-duty trucks
- Marine engines
- Locomotives
- Nonroad engines
 - construction, cargo handling, agriculture, mining or energy production.



What types of projects does DERA fund?

- Verified retrofit technologies
- Verified idle reduction technologies
- Verified aerodynamic technologies
- Verified low rolling resistance tires
- Certified engine repowers
- Vehicle and equipment replacements



For more information on the RFP:

- www.epa/cleandiesel
 - RFP document will be posted here
 - Registration link for 3 information webinars
 - Supporting documents
 - Hotline email / phone to submit questions
 - 1-877NCDC FACTS
 - cleandiesel@epa.gov
 - Q&A document logging all questions received



Future Funding Outlook

- President's Budget Request for FY13 - \$15 M
 - First step in a long process
 - Stay tuned.....



Future Funding Outlook

- New Rebate Option – authorized in DERA legislation
 - EPA is exploring how we could use this new program authority
 - Plan to roll out a pilot program in late 2012 or early 2013
 - Developing completely new forms, processes, etc.
 - Will be the first rebate program at EPA



For More Information...

- Julie Henning
 - Henning.Julie@epa.gov
- NCDC Website
 - www.epa.gov/cleandiesel
- NCDC Helpline
 - cleandiesel@epa.gov or 1-877-623-2322